

# Claims

- [c1] 1. A heat transfer device for transferring a heating source from a heating device, said heat transfer device comprising:
- an evaporator, said evaporator comprising:
    - a first hollow tube;
    - a porous core mortised inside said first hollow tube;
    - a second hollow tube mortised on said first hollow tube;
  - a heat conductor covering said evaporator, said heat conductor being on said heating device;
  - a connecting pipe connected to said evaporator, said connecting pipe being used for containing a working fluid; and
  - a condenser on said connecting pipe.
- [c2] 2. The device of claim 1, wherein said heat conductor comprises
- a first heat conducting block having a heat conducting tenon; and
  - a second heat conducting block having a mortise corresponding to said tenon, said heat conducting tenon being inserted into said mortise so that said first and second heat conducting blocks cover said evaporator.

- [c3] 3. The device of claim 2, wherein the height of said tenon is smaller than the depth of said mortise.
- [c4] 4. The device of claim 1, wherein said porous core has a fluid channel therein, said fluid channel being connected to a fluid reservoir.
- [c5] 5. The device of claim 1, further comprising a vapor channel between said first hollow tube and said porous core, said vapor channel being connected to said connecting pipe.
- [c6] 6. The device of claim 1, wherein said first hollow tube has a closed end, said closed end having a first surface, said first surface having a first hole, said connecting pipe having an end connected to said first hole to connect said first hollow tube.
- [c7] 7. The device of claim 1, wherein said second hollow tube has a closed end, said closed end having a second surface, said second surface having a second hole, said connecting pipe having an end connected to said second hole to connect said second hollow tube.
- [c8] 8. A method for manufacturing a heat transfer device, comprising: mortising a porous core into a first hollow tube; mortising a second hollow tube on said first hollow

tube;covering a heat conductor on said first hollow tube;  
andconnecting a connecting pipe to said first hollow  
tube and said second hollow tube.

[c9] 9.The method of claim 8, wherein said first hollow tube  
has a closed end, said closed end having a first surface,  
before said step of mortising said porous core into said  
first hollow tube, further comprising hole-punching to  
form a first hole.

[c10] 10.The method of claim 9, wherein said connecting pipe  
and said first hollow tube are connected by mortising an  
end of said connecting pipe to said first hole and weld-  
ing.

[c11] 11. The method of claim 8, wherein said second hollow  
tube has a closed end, said closed end having a second  
surface, before said step of mortising said porous core  
into said second hollow tube, further comprising hole-  
punching to form a second hole.

[c12] 12. The method of claim 11, further comprising hole-  
widening at an opposite end of saidsecond hollow tube  
at the same time of performing said step of hole-  
punching to form said second hole.

[c13] 13. The method of claim 11, wherein said connecting  
pipe and said second hollow tube are connected by mor-

tising an end of said connecting pipe to said second hole and welding.

- [c14] 14. The method of claim 8, further using a press module having a sealing function to press an area where said second hollow tube and said porous core are mortised together.
- [c15] 15. The method of claim 8, further disposing a condenser on said connecting pipe after said step of connecting said connecting pipe to said first hollow tube and said second hollow tube.
- [c16] 16. The method of claim 8, wherein said heat conductor includes a first heat conducting block and a second heat conducting block, said first heat conducting block and said second heat conducting block being mortised together to cover said first hollow tube.